PARTNERSHIP FOR AUTOMOTIVE PROGRAM ARTICULATION
HIGH SCHOOL AGREEMENT
UNIVERSAL TECHNICAL INSTITUTE (UTI)

Introduction

An articulation agreement formally recognizes that Universal Technical Institute and the high school, secondary or vocational center agree to work together to provide educational opportunities for currently enrolled and potential students of their institutions. Agreement to this alliance requires a commitment by both institutions to provide students with an opportunity for post-secondary education as well as increasing awareness of the importance of vocational education at the high school level.

Purpose

The intent of this Partnership for Automotive/Motorcycle Program Articulation is to provide the high school or vocational center and the student with an opportunity to increase the recognition of their automotive/motorcycle education while at the secondary level, and to motivate the student to continue his or her education at the post-secondary level. UTI is committed to assisting in the success of today's educators and tomorrows technicians. The purpose of this agreement is to formalize this relationship.

Articulation Benefits and Features

- Add status for high schools or vocational centers by offering "advanced placement" automotive courses.
- Allow students the opportunity to start preparing for ASE certification while still in high school.
- Provide top automotive students an opportunity to continue their career education with less cost and reduced post-secondary training time.

Process for Advanced Placement

- The student must graduate from a secondary school that has earned 1 or more ASE certifications or is an NATEF Certified secondary program. The student must graduate from their secondary school in 2003 or later.
- Each high school or vocational program must provide a signed facsimile of their ASE certification(s) and a completed Partnership for Automotive Program Articulation HS Agreement to UTI. The Educational Representative will assist in this process.
- Advanced Placement will be granted for up to a maximum of four courses. Students from secondary schools possessing more than four ASE certifications must select the four courses for which they desire to receive advance placement.

- Students are required to either test during Orientation Week or provide documentation of passing the ASE tests that correspond to the course(s) for which they are requesting advanced placement and tuition credit. The student must test or show proof of ASE during Orientation Week to be eligible for the program. **MMI students may only receive credit by passing the Articulation test.**
- The student shall be granted advanced placement and a corresponding tuition credit for each test he or she passes and/or for each area he or she shows proof of passing on ASE test (not MMI).
- Students will not be scheduled for any course that they pass the test for or show proof (not MMI) of passing the ASE. Should students wish to take a course for which they have received advanced placement, they will be charged the tuition for that course in effect at the time of their original enrollment.
- Any student from an articulating high school can choose NOT to take any tests and receive a $500.00 articulation towards his or her tuition in qualifying programs. If this option is selected only Admissions must complete the form.
- A student unable to pass the written test will be required to take the course or courses, at his or her original tuition cost. This is intended to insure that the student possesses the appropriate level of technical knowledge essential for his or her educational and professional success. These students would still qualify for the $500.00 articulation discount.
- **The student must start his or her training within one year of H.S. graduation and take the Articulation Tests prior to the completion of his or her first courses of study in order to be eligible to receive this benefit.**

UTI/NTI Areas of Certification	**Corresponding Course**
Brakes	ADTC-107 Brakes
Electrical/Electronic Systems	ADTC-117 Electronic Fundamentals
Engine Performance	ADTA-104 Fuel and Ignition Systems
Suspension and Steering	ADTC-128 Automotive Undercar
Automatic Transmission and Transaxle	ADTA-109 Automatic Transmissions
Heating and Air Conditioning	ADTC-108 Climate Control
Manual Drive Train and Axles	ADTA-106 Automotive Power Trains

MMI Eligible Courses

MCCL-001 engines, Transmissions and Final Drive Systems
MCCL-002 Suspension & Chassis Systems
MCCL-003 Machine Shop
MCCL-004 Electrical A – Design & Operation
MCCL-005 Vehicle Maintenance
MCCL-006 Engine Trouble Shooting & Noise Diagnosis

This agreement shall be in effect for three years from the date of execution. Either party may terminate this agreement at any time for cause or may cancel it without cause on thirty (30) days written notice. Termination of this agreement also shall occur if there is a loss of NATEF Certification of the high school automotive program. The school must notify UTI within thirty (30) days of the loss of NATEF Certification.

Secondary or Vocational High School

School _____

Address _____

City _____ State _____ Zip _____

Phone _____ FAX _____

Automotive Instructor

Date _____

Print
Name _____ Signature _____

School Administrator

Date _____

Print
Name _____ Signature _____

Title _____

UNIVERSAL TECHNICAL INSTITUTE

Admissions Representative

Date _____

Print
Name _____ Signature _____

Director of Admissions

Date _____

Print
Name _____ Signature _____

The Kentucky Tech Curriculum

Office of Career and Technical Education

Equal Education Opportunities M/F/D

TASK LIST

Effective: 12/26/2011

Powersports/ATV Motorcycle Technology

FEX 100

Fundamentals of Electricity & Lab

Course Description

This course introduces students to the basic physics of electricity. Students apply Ohm's Law; measure resistance, voltage, ohms, watts and amps; construct various types of electrical circuits; select wire and fuse sizes; and learn to trouble shoot an electric motor and coil.

Prerequisites: None

TASK LIST

1	Practice electrical safety
2	Measure ohms with an ohmmeter
3	Measure voltage with a voltmeter
4	Measure amps with an ammeter
5	Measure watts with a wattmeter
6	Solve electrical circuit problems using Ohm's Law
7	Draw and interpret electrical symbols
8	Demonstrate series circuits, parallel circuits and series-parallel circuits
9	Select wire and fuse sizes

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TASK LIST

Effective: 12/26/2011

Powersports/ATV Motorcycle Technology

MOT 100

Introduction to Motorcycles

Course Description

Explores culture and history of motorcycles. Includes possible field trips to dealerships for student exploration into motorcycle industry.

Prerequisites: None

TASK LIST

1	Explain knowledge of early motorcycles.
2	Identify important developments in the motorcycle industry.
3	Explain the impact of foreign companies on the motorcycle industry
4	Identify the key component of motorcycle construction.
5	Identify various motorcycle organizations, their projects and activities.
6	Identify different types of motorcycles.
7	Identify restrictions to access and speed in motorcycles.

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TASK LIST

Effective: 12/26/2011

Powersports/ATV Motorcycle Technology

MOT 142 **Basic Engines and Drive Systems & Lab**

Course Description

Explores professional work habits, proper use of hand and power tools, service manuals, basic engine and parts identification. Covers internal combustion engines, transmissions, fuel systems, and assembly and disassembly.

Prerequisite: MOT 100

TASK LIST

1	Use proper tools to service an engine.
2	Demonstrate an understanding of camshaft design engines
3	Demonstrate an understanding of single cylinder engines.
4	Demonstrate an understanding of twin cylinder engines.
5	Demonstrate an understanding of multi-cylinder engines.
6	Service all types of engines using proper techniques and tools.
7	Disassemble single, twin cylinder engines.
8	Assemble single, twin cylinder engines
9	Inspect and repair pistons.
10	Inspect and repair valves.
11	Inspect and repair fuel injection systems.
12	Inspect and repair electronic systems.

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TASK LIST

Effective: 12/26/2011

Powersports/ATV Motorcycle Technology

MOT 156

Frames and Suspensions & Lab

Course Description

Focuses on the design, operation, maintenance, and geometry of motorcycles. Explores basic principles of hydraulics and lubricants. Includes basic adjustments of all frame and suspension components.

Prerequistes: MOT 100

TASK LIST

1	Change and repair wheels and tires.
2	Demonstrate proper maintenance techniques.
3	Demonstrate an understanding of frame design.
4	List types of frames.
5	Adjust steering systems.
6	Install shocks, springs, and swing arms.
7	Change drum and disc brakes.
8	Demonstrate an understanding of hydraulic and manual brakes.
9	Repair wheel components.
10	Repair and install tires.
11	Inspect and service brake systems.
12	Inspect and repair suspensions

13	~~Inspect and repair frame components.~~

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TASK LIST

Effective: 12/26/2011

Powersports/ATV Motorcycle Technology

MOT 200 **Advanced Engines / Drive Systems & Lab**

Course Description

Develops skills for engine and transmission overhaul. Emphasizes assembly and disassembly of all components of engine and transmission.

Prerequisites: MOT 142/MOT 156

TASK LIST

1	Disassemble engine components.
2	Inspect engine components.
3	Demonstrate shop safety while conducting disassembly and reassembly.
4	Disassemble transmission components.
5	Inspect transmission components.
6	Disassemble twin and multi-cylinder engines.
7	Assemble twin and multi-cylinder engines.
8	Repair single overhead camshaft.
9	Repair dual overhead camshaft.
10	Inspect and repair fuel injection systems.
11	Inspect and repair electronic systems.

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TASK LIST

Effective: 12/26/2011

Powersports/ATV Motorcycle Technology

MOT 220 **Diagnostics and Troubleshooting & Lab**

Course Description

Focuses on appropriate procedures used in diagnosing customer concerns

Prerequisites: MOT 142/MOT 156

TASK LIST

1	Demonstrate an understanding of service manuals.
2	Use proper equipment to diagnose a problem.
3	Identify problems.
4	Follow troubleshooting procedures.
5	Identify and use service manuals.
6	Utilize diagnostic equipment to analyze motorcycles.
7	Systematically troubleshoot problems to identify and resolve.

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Equal Education Opportunities M/F/D

TASK LIST

Effective: 12/26/2011

Powersports/ATV Motorcycle Technology

MOT 234 Performance Machining and Welding & Lab

Course Description

Explores standard and performance-machining practices associated with performance motorcycles. Includes machining practices associated with valve jobs, cylinder boring and honing, big bore kits, and cylinder head porting and polishing. Covers basic welding and weld inspection practices.

Prerequisites: MOT 142/MOT 156

TASK LIST

1	Demonstrate proper welding techniques.
2	Demonstrate an understanding of welding equipment.
3	Demonstrate basic machining practices associated with valve jobs and cylinder head porting and polishing.
4	Demonstrate proper cylinder boring and honing techniques.
5	Identify proper welds.
6	Use proper tools for each task.
7	Demonstrate the proper care and handling of machining tools.
8	Demonstrate the proper care and handling of welding tools.
9	Setup welding project using proper safety techniques.
10	Perform aluminum welds.
11	Setup machining project using proper safety techniques.

12	~~Clean and maintain machining equipment.~~
13	Perform basic machining operations.